

**Amendments to the Claims:**

This listing of Claims will replace all prior versions and listings of claims in the application.

**Listing of the Claims:**

1. (Amended) A metal machining apparatus for removal of metal from a workpiece during a machining operation, comprising:

- 1) a holder for a workpiece,
- 2) a metalworking tool that is configured to engage the workpiece along a machining interface to remove metal from the workpiece,
- 3) a coolant nozzle for emitting a stream of a cooling liquid [fluid], the nozzle comprising a nozzle body having a flow passage and a laser bore, wherein the flow passage has an inlet and an outlet, and wherein the laser bore has an access opening in fluid communication with the flow passage and a line of sight with the flow passage outlet, [and]
- 4) a visible laser removably insertable [inserted] into the laser bore to emit a visible laser beam, which cooperates with the nozzle body for visually positioning the nozzle relative to the metalworking tool prior to the machining operation, and
- 5) a removable plug insertable into the access opening, after the laser is removed, to seal the access opening [whereby] while the emitted stream of cooling liquid is [fluid can be] directed at the machining interface.

2. (Original) The metal machining apparatus according to Claim 1 wherein the machining interface comprises a machining reference point, and the flow passage outlet has a stream reference point, whereby the coolant nozzle can be positioned by aligning a visible laser beam that is emitted from the laser along a line passing through the stream reference point and the machining reference point.

3. (Cancelled) The metal machining apparatus according to Claim 1 wherein coolant nozzle is configured for removal of the visual laser, and for insertion of a removable plug into the laser aperture.

4. (Amended) The metal machining apparatus according to Claim 3 wherein the removable plug has a distal end having a surface, wherein the surface has [mimics] the shape of the inner surface of the flow passage prior to forming [that had been removed when] the laser bore [was formed in the nozzle body].

5. (Amended) A metal grinding apparatus for removal of metal from a workpiece during a machining operation, comprising:

- 1) a holder for a workpiece,
- 2) a rotating grinding tool that is configured to engage the workpiece at a machining interface to remove metal from the workpiece, wherein the machining interface has an atypical interface profile,
- 3) a coolant nozzle for emitting a stream of a cooling liquid [fluid], the coolant nozzle having a flow passage configured to emit a[wherein the] stream having[has] an atypical cross-sectional profile substantially the same as the atypical interface profile, and having a laser bore that penetrates through the nozzle and forming an outlet opening in a front portion of the nozzle proximate the coolant outlet, and
- 4) a visible laser inserted into the laser bore that emits a visible laser beam through the outlet opening, for visually positioning the nozzle relative to the metalworking tool, whereby the stream of cooling liquid[fluid] can be directed at the machining interface,

wherein the atypical cross-sectional profile of the stream registers with the atypical interface profile of the machining interface, and wherein the atypical profile is a shape other than a linear, rectilinear, circular, oval, and curvilinear profile.

6. (Amended) A laser-targeted coolant nozzle for use in applying coolant fluid to a machining apparatus for removal of metal from a workpiece at a machining interface, comprising:

- 1) a coolant nozzle body having a flow passage and a laser bore, wherein the flow passage has an inlet and an outlet, and the laser bore forms an access opening in the outer surface of the nozzle body that is in fluid communication with the flow passage, and has a line of sight with the flow passage outlet, [and]

- 2) a visible laser removably insertable into the laser bore to emit a visible laser beam, which cooperates with the nozzle body for visually positioning the coolant nozzle relative to the metalworking tool prior to the machining operation, and
- 3) a removable plug insertable into the access opening, after the laser is removed, which is configured to seal the access opening [whereby] while the stream of cooling liquid is [fluid can be] directed at the machining interface during the machining operation.
7. (Cancelled) The laser-targeted coolant nozzle according to Claim 6 wherein the laser bore is in fluid communication with the flow passage.
8. (Cancelled) The laser-targeted coolant nozzle according to Claim 6 wherein the coolant nozzle is further provided with a removable plug that can be inserted into the laser bore in place of the laser, to seal the access opening from fluid communication with the flow passage.
9. (Cancelled) The use of a visible laser for targeting the orientation of a coolant nozzle, thereby directing a stream of coolant fluid at a machining interface of a machining tool with a workpiece during the removal of metal from a workpiece by the machining tool.
10. (New) The metal machining apparatus according to Claim 1 wherein the machining interface has an atypical interface profile, and the flow passage is configured to emit a stream having an atypical cross-sectional profile substantially the same as the atypical interface profile, and wherein the atypical profile is a shape other than a linear, rectilinear, circular, oval, and curvilinear profile.
11. (New) The metal machining apparatus according to Claim 5 wherein the machining interface comprises a machining reference point, and the flow passage outlet has a stream reference point, whereby the coolant nozzle can be positioned by aligning a visible laser beam emitted from the laser along a line passing through the stream reference point and the machining reference point.

12. (New) The laser-targeted coolant nozzle according to Claim 6 wherein the flow passage is configured to emit a stream having an atypical cross-sectional profile, and wherein the atypical profile is a shape other than a linear, rectilinear, circular, oval, and curvilinear profile.

13. (New) The laser-targeted coolant nozzle according to Claim 6 wherein the flow passage outlet has a stream reference point along which the visible laser beam is emitted, for positioning the coolant nozzle at a corresponding machining reference point of the machining interface.

14. (New) A method for machining to remove metal from a workpiece, comprising the steps of:

- 1) providing a holder for a workpiece,
- 2) providing a metalworking tool configured to engage the workpiece along a machining interface to remove metal from the workpiece,
- 3) cooling the metalworking interface by emitting a stream of a cooling liquid through a nozzle body having a flow passage with an inlet and an outlet, and a bore having an access opening in fluid communication with the flow passage and a line of sight with the flow passage outlet, wherein the access opening is sealed by a removable plug,

wherein prior to the machining, the plug is removed from the bore and a visible laser is inserted into the bore for emitting a laser beam that cooperates with the nozzle body for visually positioning the nozzle relative to the metalworking tool, whereby the emitted stream of cooling liquid is directed at the machining interface.

15. (New) The method according to Claim 14 wherein the provided metalworking tool has an atypical interface profile, and the emitted stream of cooling liquid has an atypical cross-sectional profile substantially the same as the atypical interface profile, and wherein the atypical profile is a shape other than a linear, rectilinear, circular, oval, and curvilinear profile.

16. (New) The method according to Claim 14 wherein the visually positioning of the nozzle comprises aligning the visible laser beam along a line passing through a stream reference point along the flow passage outlet and a machining reference point on the machining interface.